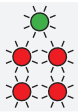
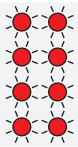
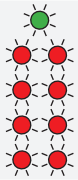
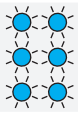
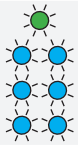
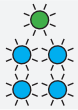
Aeon Battery LED Status States

Applicable Battery Models: A48-40
Description: Aeon Battery

LED Status		State	Description & Action
	GREEN "heartbeat"	Healthy	Battery has functioned normally with no faults detected.
	RED "heartbeat"	Dead Battery	Fifth time there has been a cell fault longer than one hour. Contact Zenaji immediately.
	No light at all	Flat Battery	Protection board is faulty, or the battery is completely flat. Check battery voltage. If the voltage is within the normal operating range, recharge the battery. If the voltage is not within the normal operating range, return the unit to manufacture.
	Two RED "double-flashes"	Cell Over Temperature	A cell or multiple cells are currently over temperature. Leave off and allow to restore until *GREEN flash followed by two RED "double-flashes"*. If status stays the same contact manufacturer.
	GREEN flash followed by two RED "double-flashes"	Cell Over Temperature with Restore	A cell or multiple has gone over temperature and has restored to normal operating conditions. Check inverter settings before reconnecting the battery to the system. Contact manufacture if the alarm re-occurs.
	Four RED "double-flashes"	Cell Fault	Cell fault has occurred and not restored to a safe state. DO NOT CHARGE BATTERY and contact manufacturer.`
	GREEN flash followed by four RED "double-flashes"	Cell Fault with Restore	Cell fault has occurred and restored to a safe state. Contact manufacture immediately and DO NOT RECONNECT THE BATTERY TO THE SYSTEM without authorization.
	Three BLUE "double-flashes"	Over-voltage	The battery voltage is greater than its maximum operating voltage (57V) and is not restoring to normal operating conditions. Check inverter settings before contacting manufacturer.
	GREEN flash followed by three BLUE "double-flashes"	Over-voltage with Restore	The battery voltage was greater than its maximum operating voltage (57V) and has restored to normal operating conditions. Check inverter settings before reconnecting the battery to the system. Contact manufacture if the alarm re-occurs.
	Three BLUE "single-flashes"	Under-voltage	The battery voltage is less than its minimum operating voltage (42V) and is not restoring to normal operating conditions. Check inverter settings and battery voltage before attempting to recharge the battery. If the Inverter settings are correct and the battery is under voltage proceed with a manual override by holding the Circuit Breaker ON Button down for 1 minute while charging to recharge the battery above the minimum operating voltage.
	GREEN flash followed by three BLUE "single-flashes"	Under-voltage with Restore	The battery voltage was less than its minimum operating voltage (42V) and has returned to normal operating conditions. Check inverter settings before recharging the battery.
	Two BLUE "Double-flashes"	Over-temperature	The battery temperature has exceeded its maximum normal operating conditions (above 60°C) and has not restored to a safe temperature. Check the battery location is appropriate (not in full sunlight or near heat sources) and wait for the battery to cool before reconnecting it to the system.
	GREEN flash followed by two BLUE "Double-flashes"	Over-temperature with Restore	The battery temperature has exceeded its maximum normal operating conditions (above 60°C) and restored to a safe temperature. Check the battery location is appropriate (not in full sunlight or near heat sources) before reconnecting it to the system.
	Two BLUE "Single-flashes"	Low-temperature	The battery temperature has decreased below minimum normal operating conditions (below -40°C) and has not restored to a functional temperature. Check that this temperature is below -40°C. If not contact the manufacture.
	GREEN flash followed by two BLUE "Single-flashes"	Low-temperature with Restore	The battery temperature has decreased below minimum normal operating conditions (below -40°C) and restored to a functional temperature. Check that this is possible in the location that the battery is installed before reconnecting it to the system. If not contact the manufacture.

Note(s):

1. During the first 30 min of operation (usually on occurs at factory and when system is reset) a retained alarm state will clear after 3 min provided the corresponding fault condition has restored.
2. A higher priority alarm will overwrite the display of a lower priority alarm.
3. A retained alarm state will clear after 7 days provided the corresponding fault condition has restored.